Claims

1. A modular heating system (1) for large vehicles, comprising at least one elongated heating element module (2) suitable for horizontal mounting along an interior wall and near the floor of said vehicle, said heating element module (2) comprising a convector (3) consisting of at least one essentially longitudinally extending pipe (4a) arranged to conduct a heating medium, said at least one pipe (4a) being provided with a plurality of mutually spaced fins (5) transversely mounted on said at least one pipe (4a),
characterized in that it further comprises;
at least one blower module (7) comprising at least one fan (8), which blower module (7) is selectively attachable to said heating element module (2) at an arbitrary position along the extension thereof adjacent to said fins (5) and arranged to be selectively operable to produce a forced airflow through said plurality of fins (5) in a direction from a side of said convector (3) intended to be mounted facing upwards towards a side of said convector (3) intended to be mounted facing downwards.

2. The modular heating system (1) of claim 1, **characterized in** that;
said at least one blower module (7) is adapted for attachment to said heating element module (2) at a side of said convector (3) intended to be mounted facing downwards.

3. The modular heating system (1) of any one of claims 1 to 2, **characterized in** that;
said heating element module (2) comprises a first pipe (4a) onto which said plurality of fins (5) are arranged with said first pipe (4a) passing through a hole (5a) provided in said fins (5) and a second pipe (4b) which is inserted into a cut out section (5b) at an edge of said fins (5) intended to be mounted facing downwards.

4. The modular heating system (1) of any one of claims 1 to 3, **characterized in** that;
said heating element module (2) comprises at least one first longitudinally extending section (2a) having a first spacing between said fins (5) and at least one second longitudinally extending section (2b) having a second spacing between said fins (5), and said at least one blower module (7) being adapted for attachment to said heating element module (2) at said at least one second longitudinally extending section (2b).

5. The modular heating system (1) of any one of claims 1 to 4, **characterized in** that;
said at least one fan (8) is a tangential fan.

6. The modular heating system (1) of any one of claims 1 to 4, **characterized in** that;
said at least one fan (8) is an axial fan.

7. The modular heating system (1) of any one of claims 1 to 6, **characterized in** that; said blower module (7) comprises a plurality of said fans (8).

8. The modular heating system (1) of any one of claims 1 to 7, **characterized in** that; it comprises a plurality of interconnected heating element modules (2) at least some of which are provided with arbitrary positioned blower modules (7).

9. The modular heating system (1) of any one of claims 3 to 8, **characterized in** that; said second pipe (4b) is provided with a pre-bent end section (4c) at one end of said convector (3), which pre-bent end section (4c) provides a fluid connection to said first pipe (4a).

10. The modular heating system (1) of any one of claims 2 to 9, **characterized in** that; said convector (3) is at lest partially covered by a first casing element (6) having a plurality of ventilation openings (6a) at a side thereof intended to be mounted facing upwards, and said blower module (7) being at lest partially covered by a second casing element (9) having a plurality of ventilation openings (9a) at a side thereof intended to be mounted facing downwards, said first and said second casing elements (6, 9) when mounted providing a continuous enclosure of said heating element module (2) and said blower module (7) together with said wall.